

APRIL/MAY 2024

**CCA62/CCS62/CSC62 — PYTHON
PROGRAMMING**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define Expression in Python.
2. What is meant by Statement in Python?
3. Define Zero Division Error in Python.
4. Give an example for Pascal's triangle.
5. How to create an empty Tuple?
6. Give a example for zip() function.
7. Specify the use of index in List.
8. Give an example to display last element in a List.
9. Define instances of the class.
10. List out any four examples for exception situations.

SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL the questions.

11. (a) Give an account on arithmetic operators in Python with example.

Or

- (b) Narrate the importance of comment line in Python with example.

12. (a) Write a Python program to find GCD of two positive numbers using if statement.

Or

- (b) Narrate the built in functions for string in Python with example.

13. (a) How will you define and calling a function in python?

Or

- (b) Give an account of args and kwargs in Python with example.

14. (a) Write a program to find mean, variance and standard deviation using List in Python.

Or

- (b) Narrate the randomly permuting a list in Python.

15. (a) Discuss on custom exceptions.

Or

- (b) Write a program to display employee information using geometric points.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Exemplify the reading input and print output statement in Python.

17. Describe the exception handling statement in Python with example.

18. Explain the tuple methods and traversing with example.

19. Exemplify the linear search using List in Python.

20. Write a Python program to create stopwatch.